

WHAT IS CLAIMED IS:

1. A door lock for a door panel, said door lock comprising:

a lock housing adapted to be mounted on the door panel, having an inner surface with a left end portion, a right end portion opposite to said left end portion in a first direction, and an intermediate portion disposed between said left and right end portions;

a latch bolt adapted to be mounted on the door panel and operable for movement between a locking position, where said latch bolt is extended relative to the door panel, and an unlocking position, where said latch bolt is retracted relative to the door panel;

a door handle mounted rotatably on said lock housing and having a shaft portion that extends through said intermediate portion of said lock housing and that is coupled to said latch bolt, said door handle being rotatable relative to said lock housing between a first angular position, where said latch bolt is disposed at the locking position, and a second angular position, where said latch bolt is disposed at the unlocking position;

a first deadbolt adapted to be mounted on the door panel and operable for movement between a locking position, where said first deadbolt is extended relative to the door panel, and an unlocking position, where said first deadbolt is retracted relative to the door panel;

a first manually operable member mounted rotatably

on said lock housing, spaced apart from said door handle
in a second direction transverse to said first direction,
and having a shaft portion that extends through said
intermediate portion of said lock housing, that is
5 coupled to said first deadbolt, and that is provided
with a first projection, said first manually operable
member being rotatable relative to said lock housing
between a third angular position, where said first
deadbolt is disposed at the locking position, and a fourth
10 angular position, where said first deadbolt is disposed
at the unlocking position; and

a coupling mechanism including a coupler retained
slidably on one of said left and right end portions of
said lock housing, said coupler having an upper end
15 portion formed with a first protrusion, a lower end
portion opposite to said upper end portion in the second
direction and coupled to said shaft portion of said door
handle, and a middle portion disposed between said upper
and lower end portions and formed with a slide slot that
20 extends in the second direction, said coupling mechanism
further including a retainer that passes through said
slide slot and that engages said one of said left and
right end portions of said lock housing to retain said
coupler on said lock housing,

25 wherein, when said first manually operable member
is in the third angular position, and said door handle
is rotated from the first angular position to the second

angular position, said shaft portion of said door handle drives said lower end portion of said coupler so as to displace said coupler in said lock housing such that said first protrusion on said upper end portion of said
5 coupler engages said first projection on said shaft portion of said first manually operable member so as to rotate said first manually operable member to the fourth angular position.

2. The door lock as claimed in Claim 1, further comprising:
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a second deadbolt adapted to be mounted on the door panel and operable for movement between a locking position, where said second deadbolt is extended relative to the door panel, and an unlocking position,
15 where said second deadbolt is retracted relative to the door panel; and

a second manually operable member mounted rotatably on said lock housing, disposed between said first manually operable member and said door handle, and having
20 a shaft portion that extends through said intermediate portion of said lock housing and that is coupled to said second deadbolt, said second manually operable member being rotatable relative to said lock housing between a fifth angular position, where said second deadbolt
25 is disposed at the locking position, and a sixth angular position, where said second deadbolt is disposed at the unlocking position.

3. The door lock as claimed in Claim 2, wherein said shaft portion of said second manually operable member is provided with a second projection, said upper end portion of said coupler being further formed with a second protrusion that is spaced apart from said first protrusion in the second direction,

wherein, when said second manually operable member is in the fifth angular position, and said door handle is rotated from the first angular position to the second angular position, said second protrusion on said upper end portion of said coupler engages said second projection on said shaft portion of said second manually operable member so as to move said second manually operable member to the sixth position.

4. The door lock as claimed in Claim 1, wherein said coupling mechanism further includes a restoring spring having one end that abuts against said coupler and an opposite end that abuts against said lock housing for providing a restoring force to restore said door handle from the second angular position to the first angular position.

5. The door lock as claimed in Claim 1, wherein said middle portion of said coupler has a U-shaped cross-section, confines a spring-accommodating space that opens toward the respective one of said left and right end portions of said inner surface of said lock housing, and is defined by first and second walls and

a third wall that interconnects said first and second walls, said upper end portion of said coupler extending from said first wall, said lower end portion of said coupler extending from said third wall, said slide slot being formed in said third wall.

6. The door lock as claimed in Claim 5, wherein said coupling mechanism further includes a restoring spring disposed in said spring-accommodating space and having one end that abuts against said coupler an opposite end that abuts against said lock housing.